



## LOUISIANA NATURAL AND SCENIC RIVERS SYSTEM

**PERMIT APPLICATION**Permit # 965 (Assigned by Department)

The Louisiana Department of Wildlife and Fisheries' Scenic Rivers program is authorized by LRS title 56, Chapter 9 Part II. This law requires permits authorizing activities in or affecting rivers that have been designated by the Louisiana Legislature as Natural and Scenic. Information provided on this form will be used in evaluating the application for a permit. Information in this application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary, however, the data requested is necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

**APPLICANT INFORMATION**

Name of Applicant	Water Works District No. 2 of St. Helena Parish	Name of Agent (if any)	Professional Engineering Consultants Corp.
Address	P O Box 658	Address	7600 Innovation Park Drive
City, State, Zip	Greensburg, LA 70441	City, State, Zip	Baton Rouge, LA 70820
Phone	985.748.4657	Phone	225.769.2810
Email Address	waterworks2@gmail.com	Email Address	kgravois@pecla.com

**DESCRIPTION OF THE PROPOSED ACTIVITY**

Brief summary of the description and purpose of the proposed activity (details to be attached as a separate document)

The proposed activity consists of Water Main Relocation at LA Hwy 38 crossing the Tickfaw River. See environmental assessment for additional information.

Is any portion of the activity complete? YES or NO (If yes, indicate month and year of completion)

**LOCATION OF PROPOSED ACTIVITY**

Stream Name	Tickfaw River
Address	Hwy 38
City, State, Zip	Greensburg, LA 70441
Parish	St. Helena Parish
Sec/Township/Range	47 / 1 / 5
Latitude/Longitude	N30 55'50" / W90 40'23"

**ADJACENT LANDOWNERS**

Names, Addresses, Phone Numbers of Adjacent Landowners
Johnny H. Alford (Property Owner)
836 Woodhaven Drive, Baton Rouge, LA 70815
St. Helena Parish
(225) 927-4718

**ENVIRONMENTAL ASSESSMENT**

Must be a separate document. See the attached instruction sheet for completing the assessment.

**CONFIRMATION OF INFORMATION ACCURACY**

Application is hereby made for a Scenic River Permit to authorize the activities described herein. I certify that I am familiar with the information contained in this application and that, to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities, or I am acting as the duly authorized agent of the applicant.

William Lopez  
Signature

5-12-16  
Date



## State of Louisiana

BOBBY JINDAL  
GOVERNOR

DEPARTMENT OF WILDLIFE AND FISHERIES

ROBERT J. BARHAM  
SECRETARY

Dear Scenic River Permit Applicant:

Please review and concur on the following statement regarding the issuance of permits by the Louisiana Department of Wildlife and Fisheries. This agreement must be signed and returned before a Scenic River Permit can be issued.

"I have been advised and do understand that by applying for and accepting a Scenic Rivers permit issued by the Louisiana Department of Wildlife and Fisheries, I am being allowed to engage in an activity which would otherwise be prohibited by law or for which a permit is required. I understand that the permit is not a license and confers no property right upon me. I specifically agree to abide by all State and Federal fish and wildlife laws and regulations, and all State and Federal laws and regulations which relate to this permit or the permitted activity, and by all other terms and conditions of this permit. I understand that the permit for which I am applying may be suspended, annulled, withdrawn or revoked and that I may be assessed civil penalties, all in accordance with the provision of the Louisiana Administrative Procedure Act, and that I may be denied future permits as a consequence of my failure to fully and completely comply with the terms and conditions of the permit, as well as other laws and regulations pertinent thereto. If served with or notified of a cease and desist order signed by the Scenic Rivers Administrator, I agree to immediately and without delay cease all activities and operations which relate to the permitted activity or which are impacting the Scenic River, until such time as the matter can be resolved in an adjudicatory hearing pursuant to the Louisiana Administrative Procedure Act. I understand and agree that any permit issued to me by the Louisiana Department of Wildlife and Fisheries is in the nature of a privilege which is being voluntarily extended to me by the Department and the failure on my part to cooperate with the Department can result in the loss of the privilege conferred and the denial of future requests for permits. By accepting this permit, I evidence my agreement to be bound by all conditions and stipulations set forth herein."

  
Authorized Signature

5-12-16  
Date

REV 12/798

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# **ENVIRONMENTAL ASSESSMENT**

## **CWEF WATER DISTRIBUTION SYSTEM ADDITIONS**

### **WATER WORKS DISTRICT NO. 2 OF ST. HELENA PARISH**

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Prepared for:

#### **LA DEPARTMENT OF WILDLIFE & FISHERIES SCENIC RIVERS PROGRAM**

**P. O. Box 98000**

**Baton Rouge, LA 70898-9000**

Prepared By:



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Baton Rouge, LA 70820  
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MAY 2016  
PEC PROJECT NO. 11230

# CWEF WATER DISTRIBUTION SYSTEM ADDITIONS WATER WORKS DISTRICT NO. 2 OF ST. HELENA PARISH

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# **CWEF WATER DISTRIBUTION SYSTEM ADDITIONS WATER WORKS DISTRICT NO. 2 OF ST. HELENA PARISH**

## **ENVIRONMENTAL ASSESSMENT**

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### **A. PURPOSE AND NEED FOR PROJECT**

#### **1.) Proposed Project Description**

The proposed project site is located approximately 4,370 feet (0.83 miles) east of the intersection of LA Hwy 43 and LA Hwy 38 (Community of Easleyville) in St. Helena Parish, Louisiana. The project's coordinates are Latitude N30°55'50" and Longitude W90°40'23". A vicinity map is included with the plans. The project scope consists of a new 6" HDPE Water Main that will be located along the south right-of-way of LA HWY. 38 in St. Helena Parish. The new 6" HDPE Water Main will cross the Tickfaw River in three (3) locations, as shown on the plans enclosed with this Environmental Assessment.

#### **2.) Purpose and Need for Project**

The Louisiana DOTD has three (3) existing bridges on LA HWY 38; One (1) on the Tickfaw River and Two (2) on Relief Streams west of the Tickfaw River. Currently, the Water District has an existing 6" water main along the north right-of-way of La Hwy. 38, which serves residents in the Easleyville community and areas east of the Tickfaw River. This 6" water main is approximately 4,800 L.F. in length between La Hwy. 43 and La Hwy. 441. The existing 6" water main is the only source of water for users on the east side of the Tickfaw River. The new 6" water main will serve as a second crossing should the existing crossing have a failure. The new 6" water main involves crossing of the Tickfaw River and the two (2) Relief Streams. The three (3) water crossings will be directionally drilled with 6" HDPE DR 11, CL 160 water main so as not to disturb the waterway from outside of bank to outside of bank. There is a 380 foot crossing on the western relief stream, 240 foot crossing on the central relief stream and a 380 foot crossing of the Tickfaw River directionally drilled for this project. The HDPE water main will be 8 feet below the existing river bottoms. The remaining 3,800 feet of water main

will be open cut adjacent to and between the Tickfaw River and the two (2) relief streams and have 3 feet of cover. Silt fencing, hay bales and seeding/mulching of disturbed areas will be provided to minimize erosion and siltation.

## **B. ALTERNATIVES TO THE PROPOSED ACTION**

There are no alternatives other than the proposed action.

## **C. EVALUATION OF ENVIRONMENTAL IMPACTS**

### **1.) Existing Land Use**

Current land use within the proposed project area is mainly rural wooded areas with residences and churches. No additional land is anticipated to be required for the development of the project. Also, all water mains will be constructed within existing DOTD rights-of-way which is currently cleared and mowed. There will, therefore, be no impact to existing land and no mitigation measures will be required.

### **2.) Historical/Archeological Sites**

There are currently two recognized historic or archeological sites in St. Helena Parish as listed on the National Register of Historic Places. However, these properties are not in the project vicinity and therefore no mitigation will be required.

### **3.) Socio-Economic Impact**

The area to be served by the proposed project covers the Easleyville community. There are low to moderate income and minority populations within the area, however they are dispersed throughout the water system as well. There will be no disproportionately high and adverse human health or environmental effects to these groups. Construction of the water mains will not single out a certain group or population.

Since the project will not have an adverse effect on low income or minority areas, there are no mitigation measures planned other than those normally taken during the construction of a potable water system improvements project.

#### **4.) Wilderness/Rural Quality**

There is no recognized wilderness or rural quality area in the proposed project location or its surrounding areas. There will, therefore, be no impact to wilderness/rural quality and no mitigation measures will be required.

#### **5.) Scenic/Aesthetic Value**

The Tickfaw River in St. Helena Parish runs from the Louisiana-Mississippi state line to LA. Hwy. 42 and is under the Louisiana Natural and Scenic Rivers Systems. The scenic/aesthetic value of the surrounding properties would not be changed in any way by the implementation of the project.

Only temporary aesthetic value will be impacted during construction. All construction areas will be restored to the same or better condition than existed prior to construction. After construction, there will be no visible structures for this project.

#### **6.) Recreational Use/Opportunities**

A portion of the Tickfaw River has recreational uses such as canoeing, floating and fishing. The recreational use of the river would not be affected by the implementation of the project. No mitigation will be required.

#### **7.) Ecological Systems Present**

The project is located in the East Gulf Coastal Plain (according to Natural Serve, June 2011). Physically characterized by subtle topography, soils derived primarily from unconsolidated sands, silts, and clays transported to the ecoregion by the weathering of the Appalachian Mountains, the ecoregion has a wide range of land forms. These range from sand hills and rolling longleaf pine-dominated uplands to pine flatwoods and savannas, seepage bogs, bottomland hardwood forests, barrier islands and dune systems, and estuaries.

The Southeast Coastal Plain ecoregions also share other features, including: a high percentage of land area in wetlands, a dominant role of frequent fire over the majority

of the landscape, a diversity of river and stream systems, limited but important karst areas, diverse estuarine and tidal systems and significant large scale disturbance events, such as hurricanes.

The ecosystem of the area is not expected to be disturbed and no mitigation measures will be required.

## **8.) Fish and Wildlife in the Area**

Based upon a review of Louisiana Department of Wildlife and Fisheries Web Site (<http://www.wlf.louisiana.gov/>, 05/02/16), St. Helena Parish has two (2) threatened species listed which are the Musell, Alabama Heelsplitter and Sturgeon, Atlantic. There are, however, rare species listed in the Parish. It is anticipated that no rare, threatened, endangered species or critical habitat will be found within the area of the proposed project. All work will be conducted in previously cleared land and in existing right-of-way owned by DOTD. A DOTD Permit will be acquired for this project.

## **9.) Botanical Elements/Vegetation**

There are two plant species that fall on the Endangered List for the State of Louisiana: Louisiana Quillwort and American Chaffseed and one plant that falls on the Threatened Species List: Earthfruit.

Based upon a review of Louisiana Department of Wildlife and Fisheries Web Site (<http://www.wlf.louisiana.gov/>, 05/02/16) no Federal rare, threatened, or endangered species or critical habitats were found within the Parish nor the area of the proposed Project.

## **10.) Geological Features**

Based on U.S.G.S. maps, the classified land within the Project is OG (Ouachita, Ochlockonee, and Guyton soils, frequently flooded, and PR (Prentiss fine sandy loam, 0 to 2 percent slopes). Very little (if any) offsite fill is anticipated to be needed. Also, no significant disturbance or contamination of the soil is expected. All topsoil that is disturbed during construction of the water main will be replaced and the land seeded



to bring it back to the condition that existed prior to construction. Efforts will be made to minimize soil erosion.

## **11.) Hydrological Features**

All surface runoff in the project area enters the Tickfaw River which empties into the Lake Maurepaus. This project will not affect the area hydrologic features of the Tickfaw River.

## **12.) Water Quality/Quantity**

Potable water drawn from the water well comes from deep wells within the Southern Hills Aquifer which is designated sole source by the EPA. This new 6" water main will not affect this aquifer. The project will have no adverse affect on public health issues or negative environmental impacts resulting from the construction of the new 6" water main. There should be no water quality degradation during construction since all river crossings will be bored and erosion control practices will be implemented.

The water quality is expected to be in accordance with the Safe Drinking Water Act and only potable water will flow through the water distribution system. Should there be a break in the system or problems with the quality of water (i.e., iron bacteria, etc.), the problem will be isolated and corrected immediately with as little disruption of service as possible. No mitigation measures will be required.

## **D. STEPS TAKEN TO MINIMIZE IMPACTS**

Based on the reviews conducted, no adverse environmental impacts are anticipated. Therefore, with the exception of the following, no mitigation and/or monitoring commitments will be required.

**Aesthetics** – All rights-of-way will be restored to the same or better condition than existed prior to construction.

**Soils** – All topsoil that is disturbed during construction of the water lines will be replaced and the land seeded and mulched to bring it back to the condition that existed prior to construction.

Monitoring – There will be daily inspections of the project, as well as a final inspection, to ensure that all construction is proceeding in accordance with plans and specifications, government regulations, permits and environmental sensitivity.

## **E. ADDITIONAL INFORMATION/ATTACHMENTS**

### **1.) Environmental Agency Documentation**

Documentation of website review from agencies listed herein have been included as part of this assessment.

### **2.) Project Maps/Drawings**

A Vicinity Map has been incorporated into the Project Drawings and included herein as an attachment to this assessment.

### **3.) Photographs of the Project Site**

Pictures of the locations from both banks of the river and an upstream and downstream view of the project site from the project side of the river have been included.

### **4.) Other Local, State and Federal Permits Required**

Local Permit: No local permits are required.

State Permit: Department of Transportation and Development (DOTD): Utility Relocation Agreement Permit.

Federal Permit: No Federal permits are required.

### **5.) Signed Legal Agreement**

Enclosed is the signed Legal Agreement.

## 6.) Statement of Compliance History

Water Works District No. 2 of St. Helena is currently in compliance with all Local, State and Federal Agencies. The Water District has successfully completed a Scenic Rivers Permit project in 2011 on the north side of the La Hwy. 38 right-of-way.

# OWNER: ST. HELENA PARISH POLICE JURY

## USER AGENCY: WATER WORKS DISTRICT

### NO. 2 OF ST. HELENA PARISH

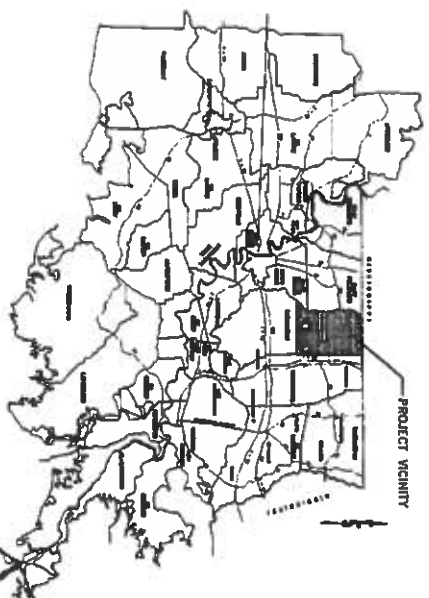
#### CWEF WATER DISTRIBUTION SYSTEM ADDITIONS

PEC PROJECT NO. 11230

APRIL 2016

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*Kevin A. Davis*  
KEVIN A. DAVIS  
Lic. No. 22723

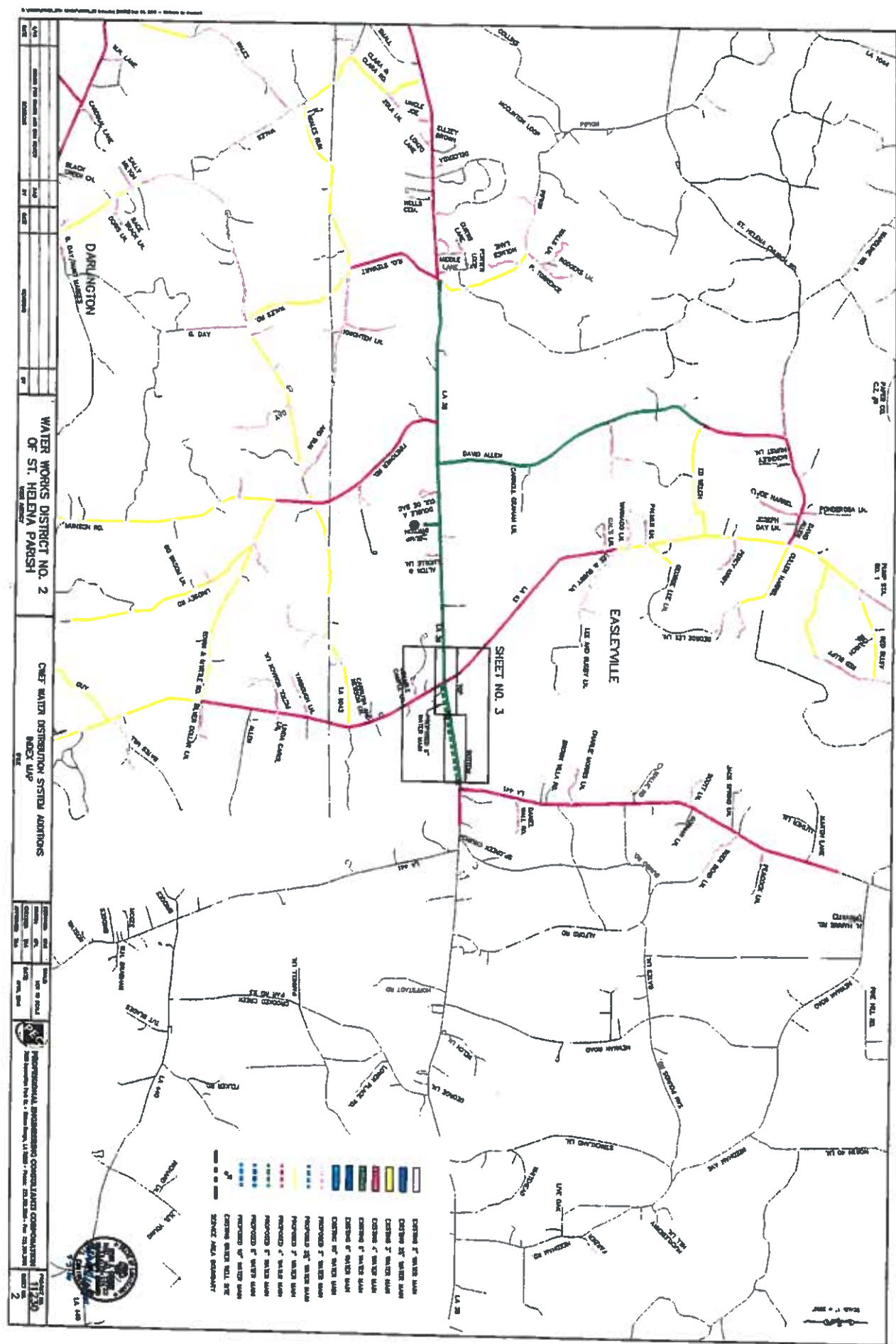


PROFESSIONAL ENGINEERING  
CONSULTING FIRM  
PROJECT NO. 11230  
APRIL 2016

#### INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	INDEX MAP
3	WATER DISTRIBUTION PLANS
4	TICKFAW RIVER AND RELIEF RIVERS (2) CROSS SECTION
5	MISCELLANEOUS WATER DETAILS
6-7	TEMPORARY EROSION CONTROL DETAILS (DOTD STANDARD PLAN)

#### VICINITY MAP



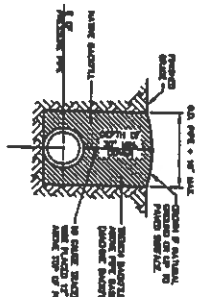


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BY	3
PROJECT	WATER WORKS DISTRICT NO. 2
LOCATION	OF ST. HELENA PARISH
DESCRIPTION	CHIEF WATER DISTRIBUTION SYSTEM ADDITIONS
SCALE	WATER DISTRIBUTION PLANS
DATE	11/20/00
BY	3
PROJECT	WATER WORKS DISTRICT NO. 2
LOCATION	OF ST. HELENA PARISH
DESCRIPTION	CHIEF WATER DISTRIBUTION SYSTEM ADDITIONS
SCALE	WATER DISTRIBUTION PLANS

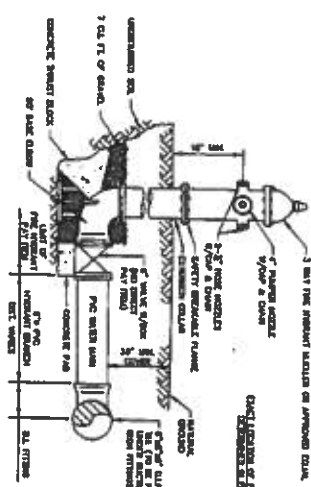
**NOTICE TO THE USER**  
 This plan was prepared by the Louisiana Department of Transportation and Development, Bureau of Engineering, for the purpose of providing information to the user. It is not to be used for any other purpose without the express written consent of the Louisiana Department of Transportation and Development. The user assumes all liability for any and all consequences resulting from the use of this plan.



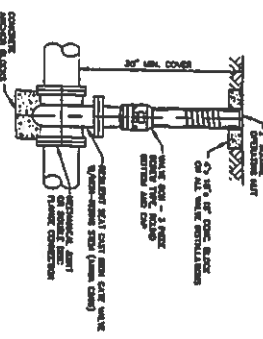




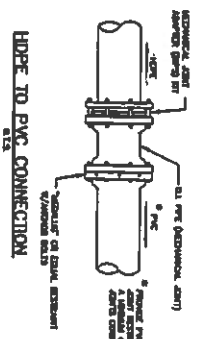
TYPICAL TRENCH FOR WATER MAIN



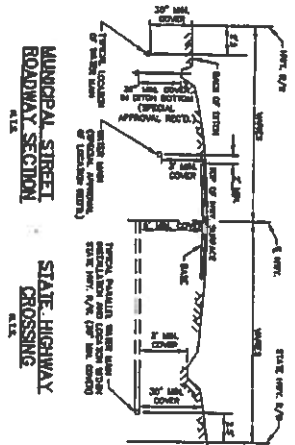
TYPICAL FIRE HYDRANT INSTALLATION



TYPICAL VALVE SETTING

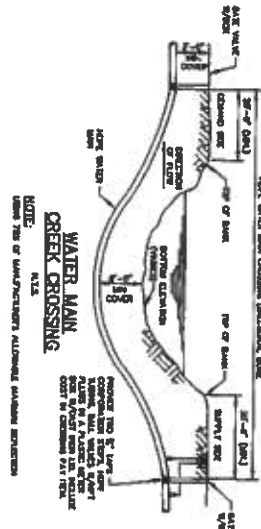


CONNECTION TO PVC CONNECTION



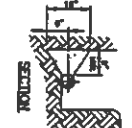
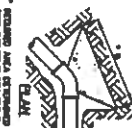
CONNECTION TO PVC CONNECTION

CONNECTION TO PVC CONNECTION



WATER MAIN CROSSING CREEK

THRUST BLOCK FOR HORIZONTAL OFFSETS



THRUST BLOCK FOR HORIZONTAL OFFSETS

1. FOR ALL OF PIPES IN 12" TO 36" DIAMETER, THE THRUST BLOCK SHALL BE PLACED AT THE END OF THE PIPE.
2. THE THRUST BLOCK SHALL BE PLACED AT THE END OF THE PIPE AT THE END OF THE PIPE.
3. THE THRUST BLOCK SHALL BE PLACED AT THE END OF THE PIPE AT THE END OF THE PIPE.
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PIPE SIZE	OF DIAMETER	12" & 18" DIAM	24" DIAM	30" DIAM	36" DIAM	12" & 18" DIAM	24" DIAM	30" DIAM	36" DIAM	12" & 18" DIAM	24" DIAM
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18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"	36"





